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\*\* Result [Utility-model] \*\* Format(P801) 07.Jan.2004 1/ 1

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Applicant: MITSUBISHI HEAVY IND LTD

Inventor: OTA MASARU

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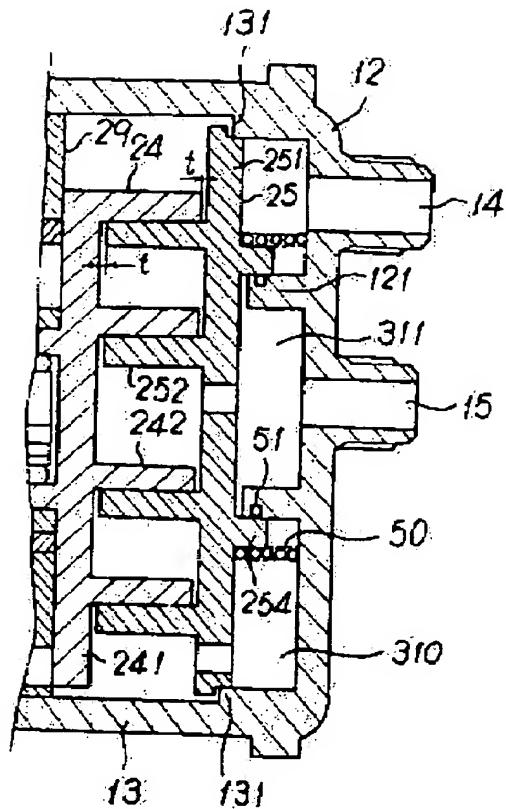
Fixed keyword: R134

Citation:

Title of invention: Rotary fluid machinery

Abstract:

SUMMARY: It makes shape memory alloys shrink by a sink gas temperature when refrigerating capacity occurred more than required about rotary fluid machinery having a pair of whirlpool body or when cooling load lightened, and stationary side disk is moved to a direction opposite to turning side disk, it is missed, and inhalation sides can decrease in refrigerating capacity in part of the gas which is being compressed.  
( Machine Translation )



## ⑪ 公開実用新案公報 (U)

昭59-117895

⑤Int. Cl.  
F 04 C 29/08  
18/02

識別記号

府内整理番号  
7018-3H  
8210-3H

⑥公開 昭和59年(1984)8月9日

審査請求 未請求

(全 2 頁)

## ⑦回転式流体機械

香川三菱重工業株式会社名古屋  
研究所内⑧実願 昭58-10993  
⑨出願 昭58(1983)1月31日  
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## ⑬実用新案登録請求の範囲

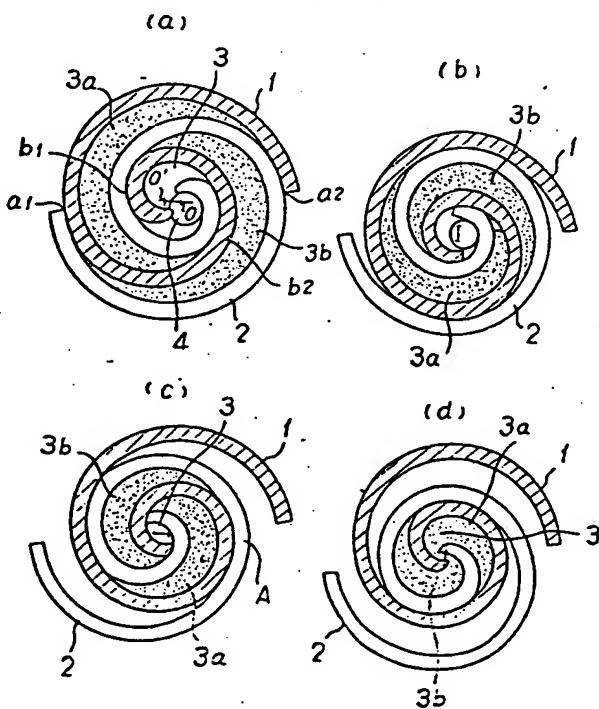
一対のスクロール部材を有する回転式流体機械において、前記各スクロール部材のうち一方のスクロール部材を所定温度になると変形する形状記憶合金押圧材を介して他方のスクロール部材の方向に押圧するとともに同押圧材に温度変化を与える手段を設けたことを特徴とする回転式流体機械。

## 図面の簡単な説明

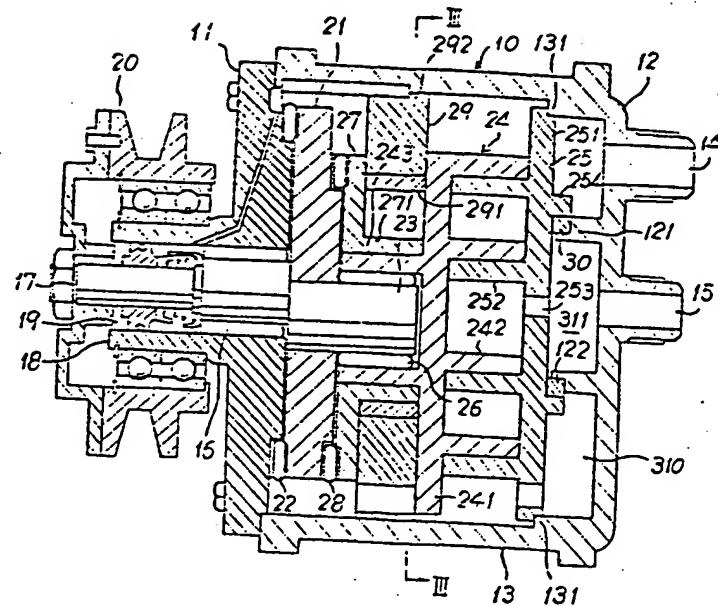
第1図は従来の自転式流体機械の原理説明図、第2図は従来の自転式流体機械の具体例を示す縦断側面図、第3図は第2図矢印Ⅲ-Ⅲ線に沿う縦断正面図、第4図は本案に係る回転式流体機械の一実施例を示す縦断側面図である。

24. 25…スクロール部材、50…押圧材。

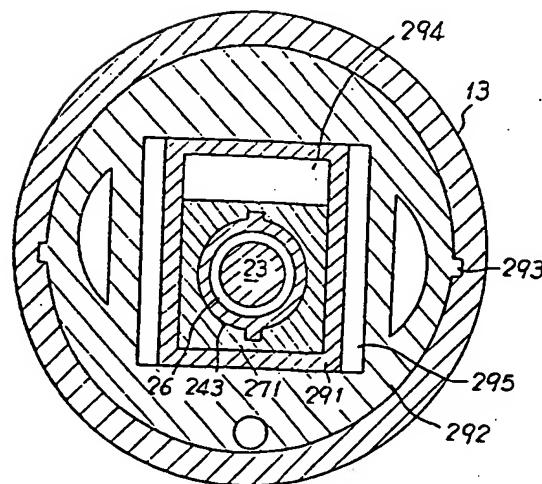
第1図



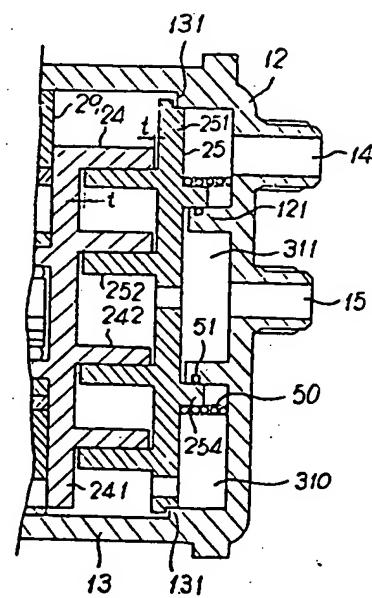
第2図



第3図



第4図



## ROTARY TYPE FLUID MACHINE

Filed: January 31, 1983  
Appl. No.: S58-10993  
Applicant: Mitsubishi Heavy Industries  
Publ. No.: S59-117895  
Int. Cl.: F04C 29/08, 18/02  
Publ. Date: August 9, 1984 (Utility Model)

### Claim:

In a rotary type fluid machine including a pair of scroll members, one of the scroll members is pressed to the other member by a member made by form-memorizing alloy which will be deformed at a certain temperature, and a means to provide change of temperature to the pressing member is arranged in the fluid machine.

### Brief Description of the Drawings:

Figure 1 shows the principle of scroll type rotating fluid machine, and Figure 2 shows a sectional view of an embodiment of this machine. Figure 3 shows a sectional view along III-III line in Figure 2. Figure 4 shows an embodiment of a fluid machine according to this invention.

In the figures are shown scroll members (24) (25), and pressing a member (50).